OIPE
SEP 13 2004
PATENT & TRADEMARK OFFICE

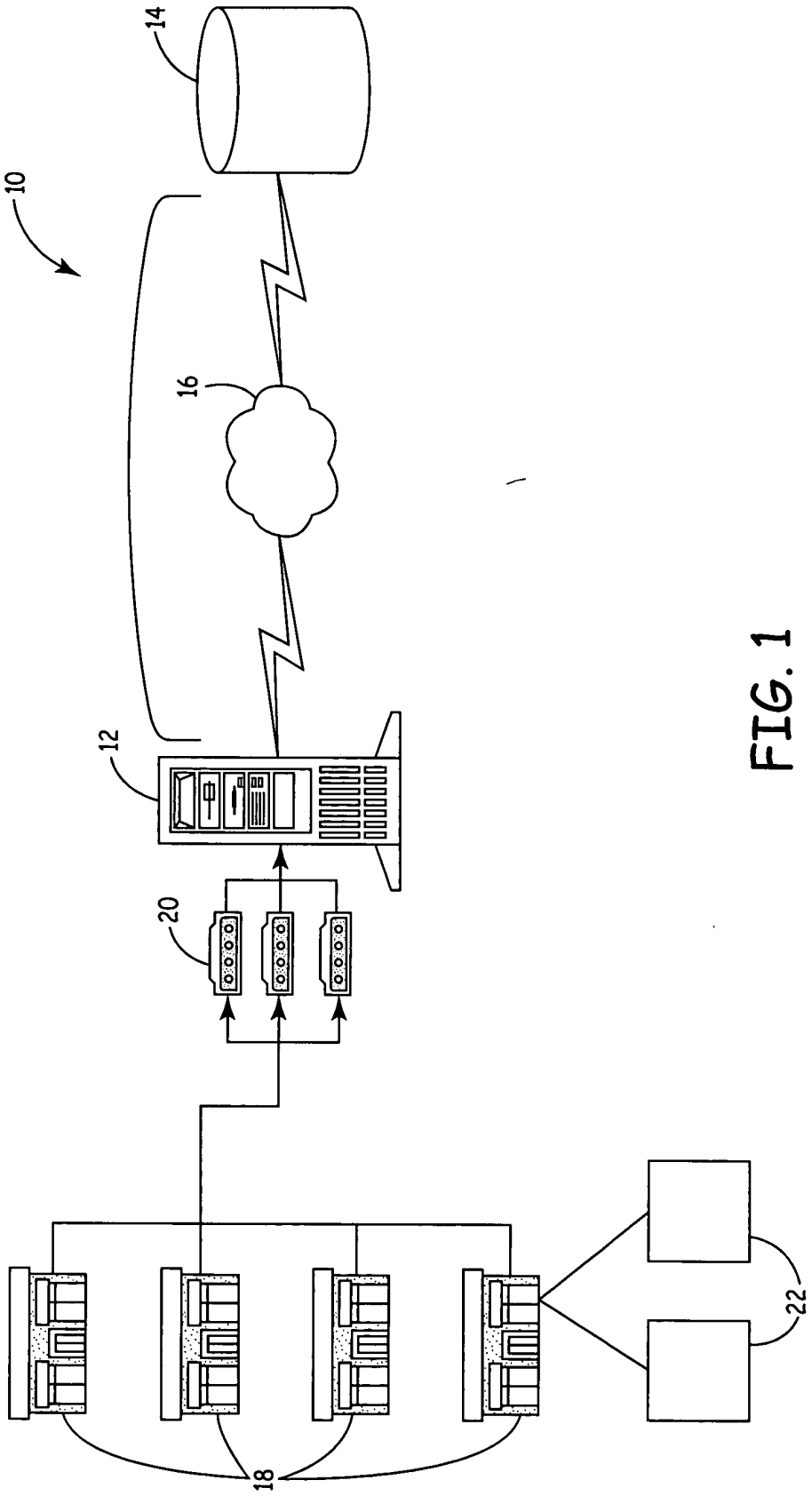


FIG. 1

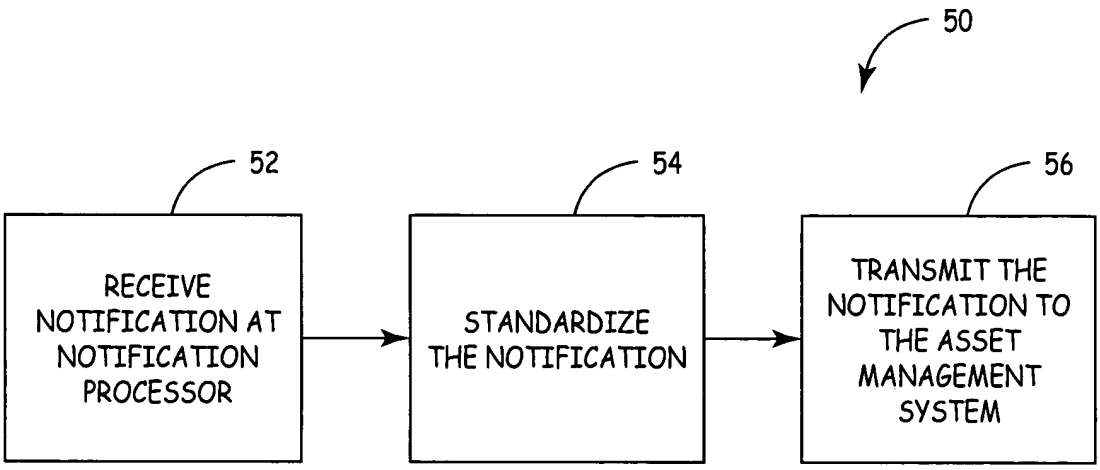

50
52
RECEIVE NOTIFICATION AT NOTIFICATION PROCESSOR
54
STANDARDIZE THE NOTIFICATION
56
TRANSMIT THE NOTIFICATION TO THE ASSET MANAGEMENT SYSTEM

FIG. 2

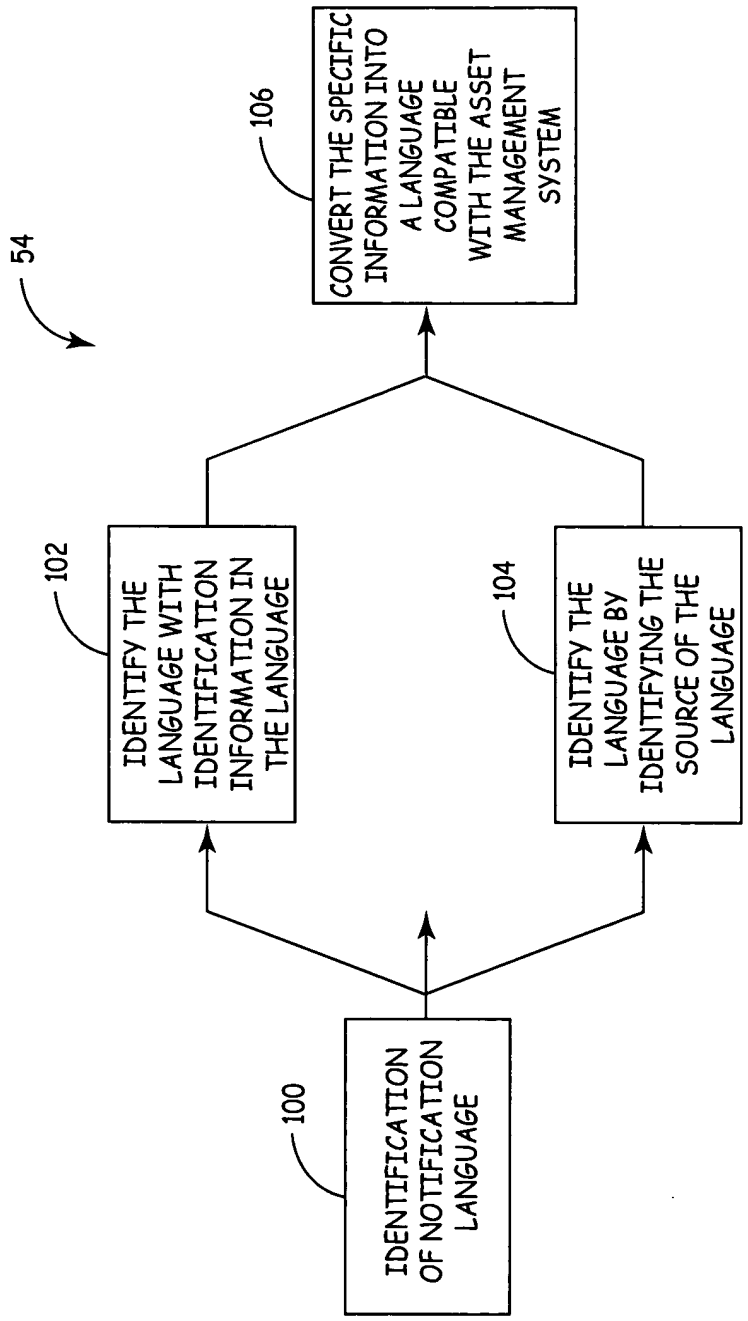

54
100
IDENTIFICATION OF NOTIFICATION LANGUAGE
102
IDENTIFY THE LANGUAGE WITH IDENTIFICATION INFORMATION IN THE LANGUAGE
104
IDENTIFY THE LANGUAGE BY IDENTIFYING THE SOURCE OF THE LANGUAGE
106
CONVERT THE SPECIFIC INFORMATION INTO A LANGUAGE COMPATIBLE WITH THE ASSET MANAGEMENT SYSTEM

FIG. 3

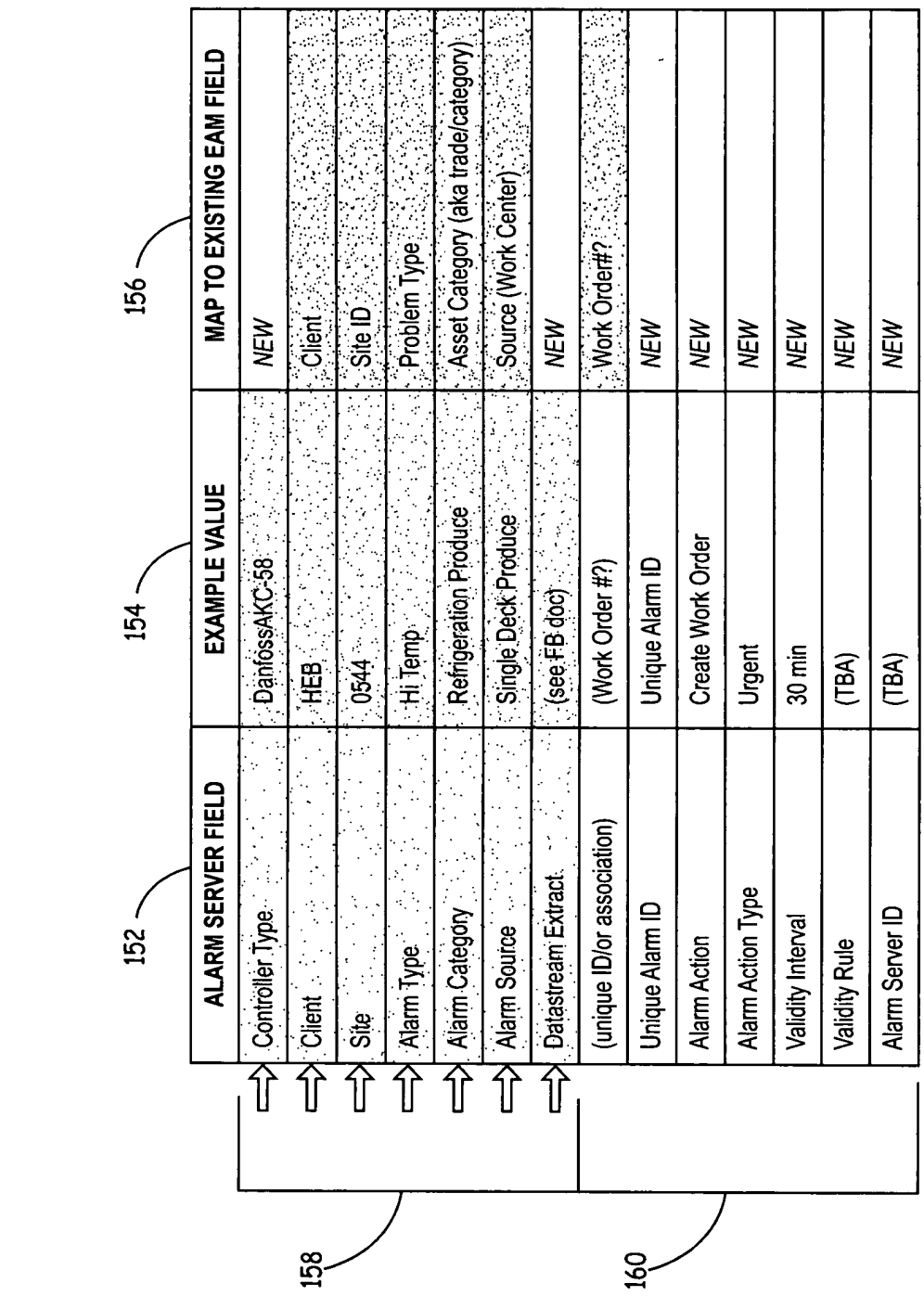

152
154
156
158
160
ALARM SERVER FIELD
EXAMPLE VALUE
MAP TO EXISTING EAM FIELD
Controller Type
DanfossAKC-58
NEW
Client
HEB
Client
Site
0544
Site ID
Alarm Type
Hi Temp
Problem Type
Alarm Category
Refrigeration Produce
Asset Category (aka trade/category)
Alarm Source
Single Deck Produce
Source (Work Center)
Datastream Extract
(see FB doc)
NEW
(unique ID/or association)
(Work Order #?)
Work Order#?
Unique Alarm ID
Unique Alarm ID
NEW
Alarm Action
Create Work Order
NEW
Alarm Action Type
Urgent
NEW
Validity Interval
30 min
NEW
Validity Rule
(TBA)
NEW
Alarm Server ID
(TBA)
NEW

FIG. 4

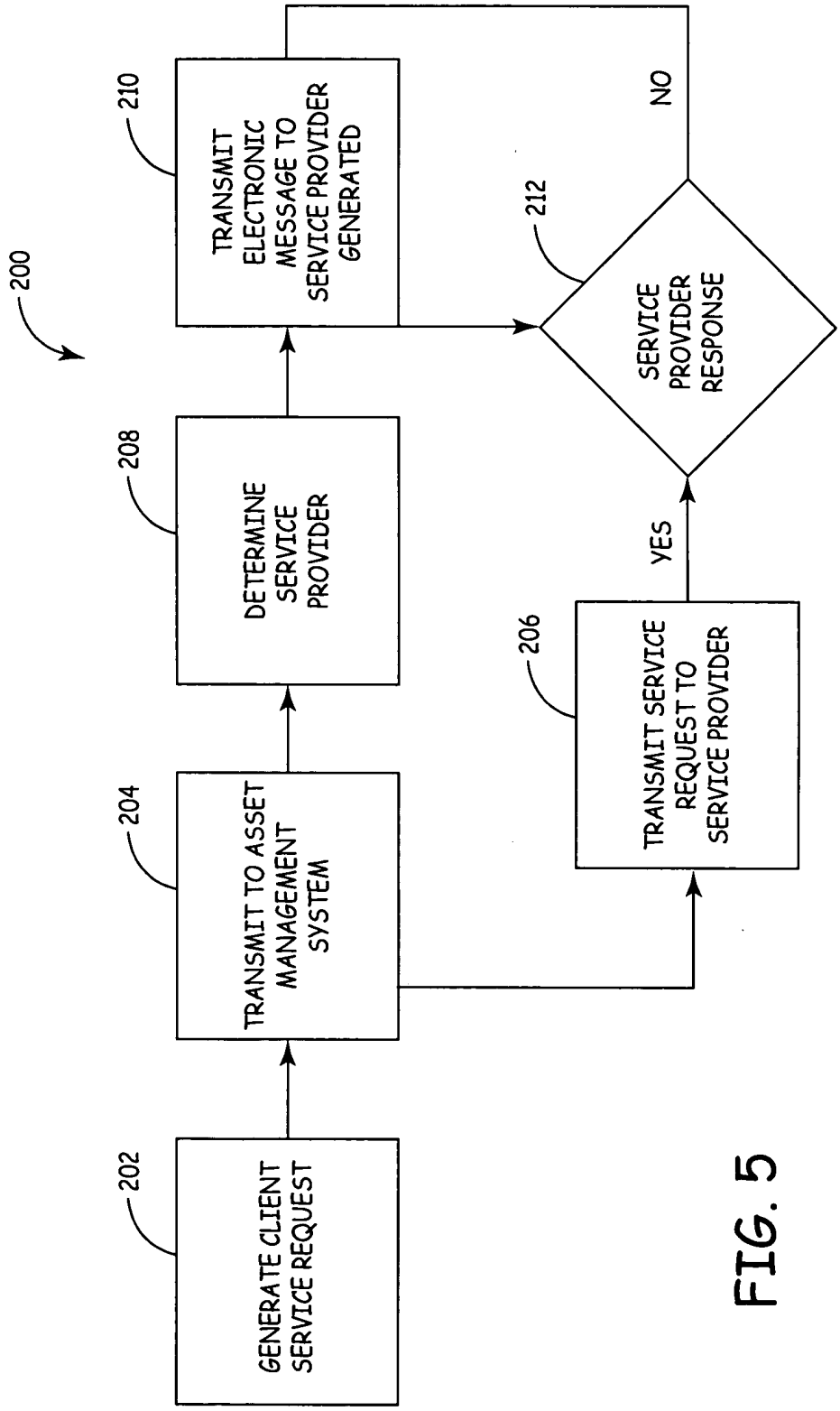

200
202
GENERATE CLIENT SERVICE REQUEST
204
TRANSMIT TO ASSET MANAGEMENT SYSTEM
206
TRANSMIT SERVICE REQUEST TO SERVICE PROVIDER
208
DETERMINE SERVICE PROVIDER
210
TRANSMIT ELECTRONIC MESSAGE TO SERVICE PROVIDER GENERATED
212
SERVICE PROVIDER RESPONSE
YES
NO

FIG. 5

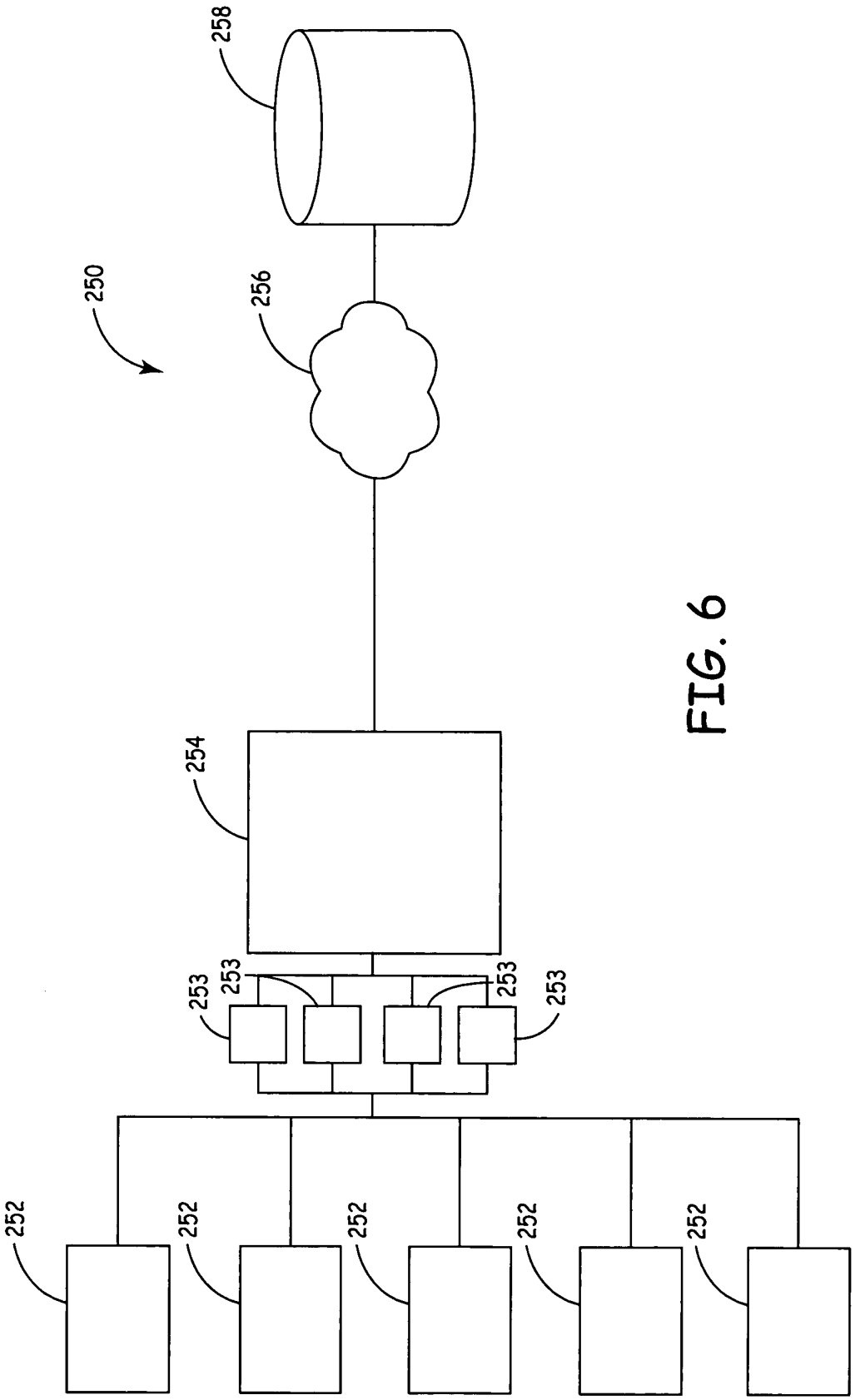


FIG. 6

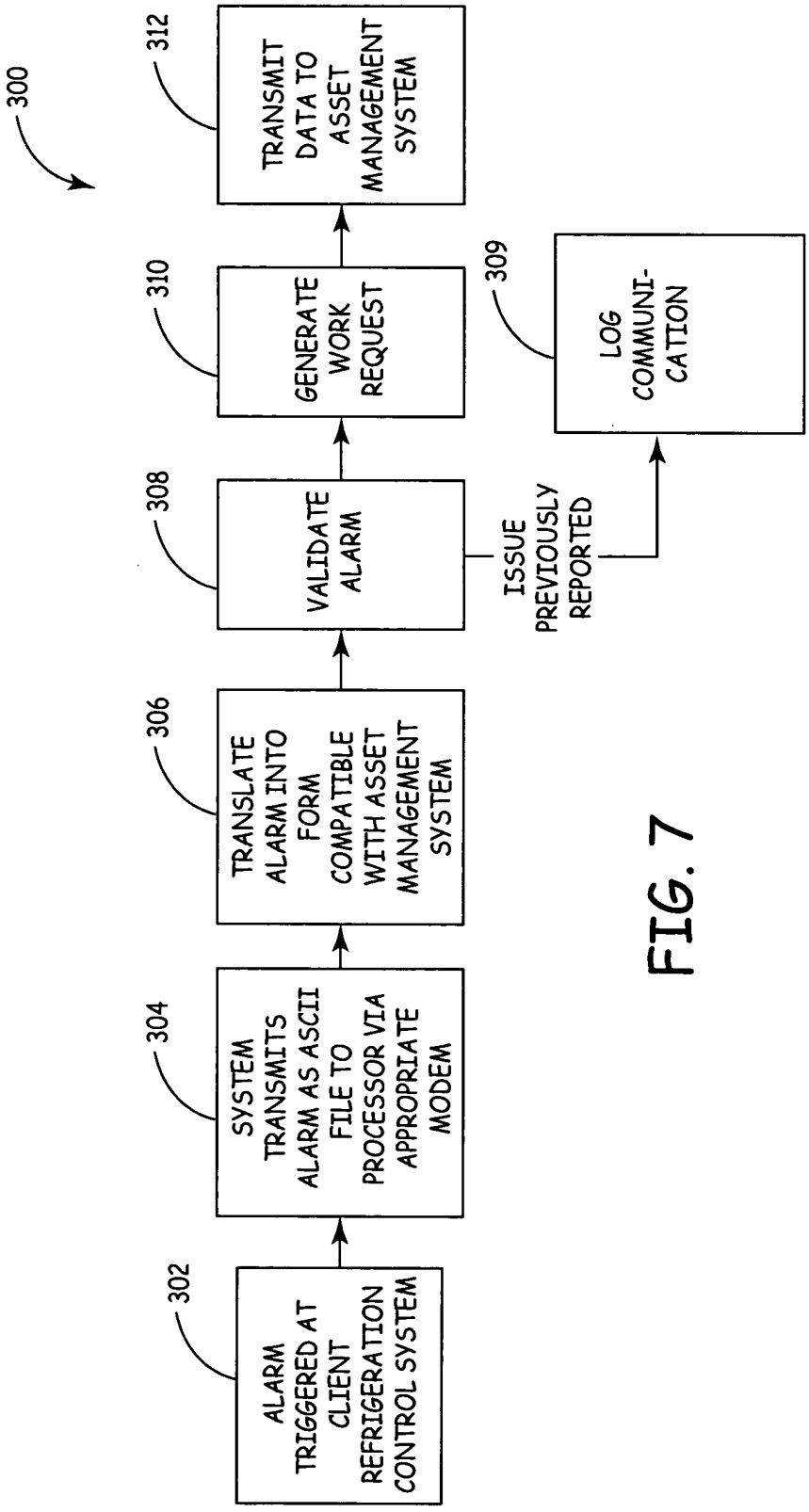
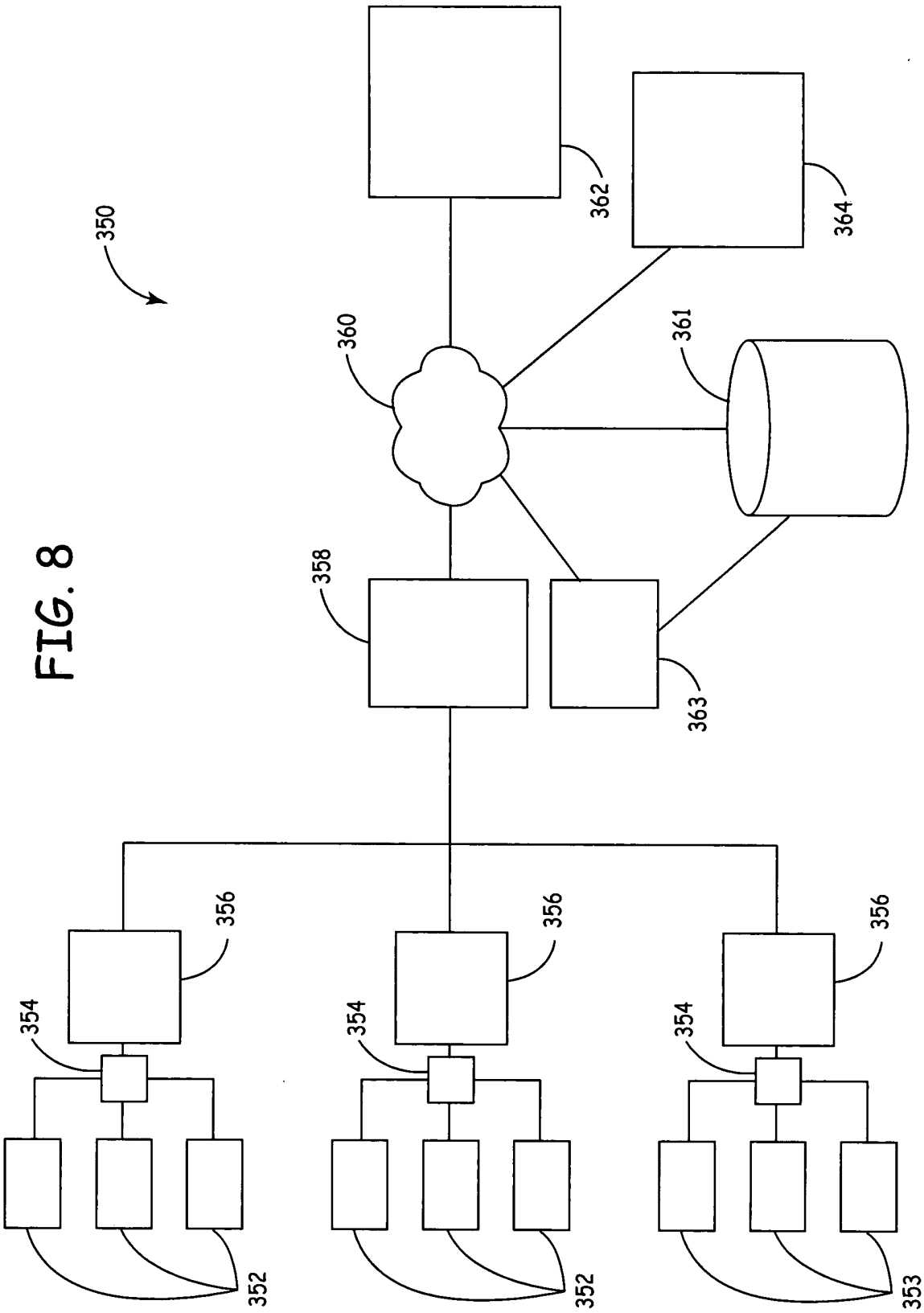

300
302
ALARM TRIGGERED AT CLIENT REFRIGERATION CONTROL SYSTEM
304
SYSTEM TRANSMITS ALARM AS ASCII FILE TO PROCESSOR VIA APPROPRIATE MODEM
306
TRANSLATE ALARM INTO FORM COMPATIBLE WITH ASSET MANAGEMENT SYSTEM
308
VALIDATE ALARM
ISSUE PREVIOUSLY REPORTED
309
LOG COMMUNI-CATION
310
GENERATE WORK REQUEST
312
TRANSMIT DATA TO ASSET MANAGEMENT SYSTEM

FIG. 7

FIG. 8



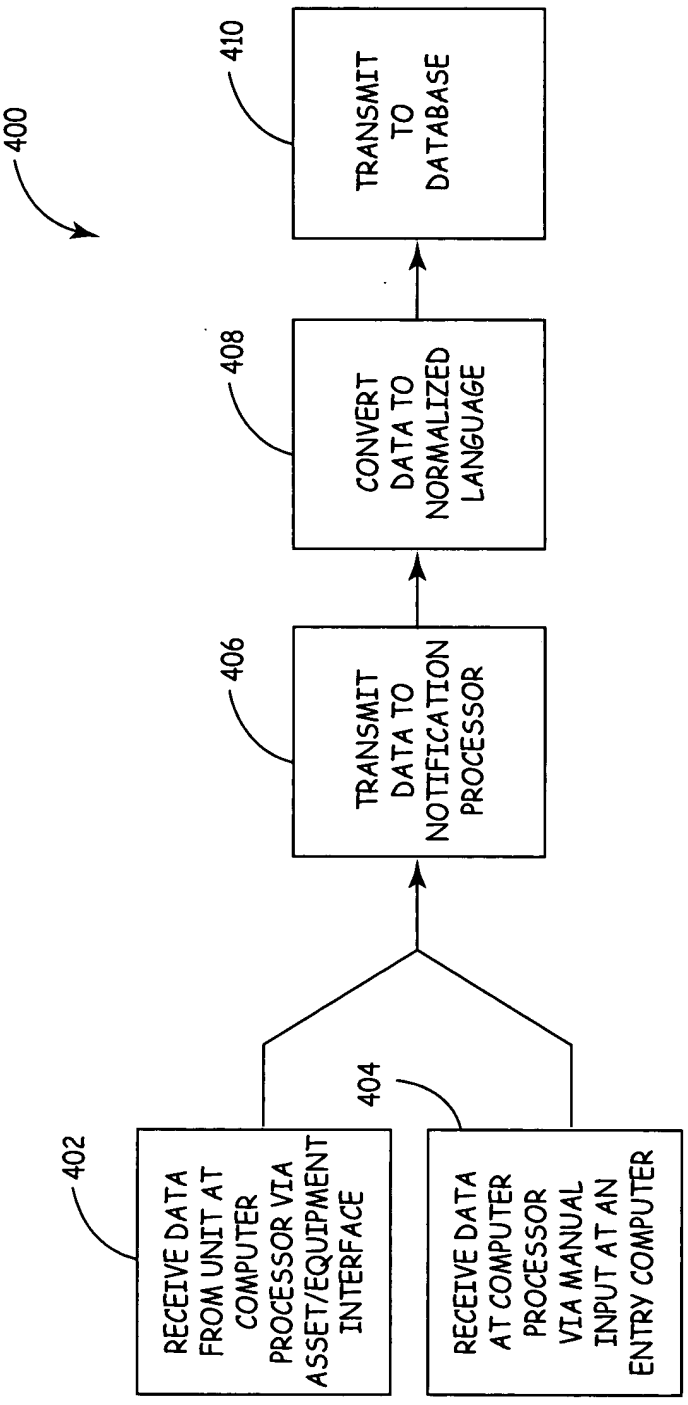

400
402
RECEIVE DATA FROM UNIT AT COMPUTER PROCESSOR VIA ASSET/EQUIPMENT INTERFACE
404
RECEIVE DATA AT COMPUTER PROCESSOR VIA MANUAL INPUT AT AN ENTRY COMPUTER
406
TRANSMIT DATA TO NOTIFICATION PROCESSOR
408
CONVERT DATA TO NORMALIZED LANGUAGE
410
TRANSMIT TO DATABASE

FIG. 9

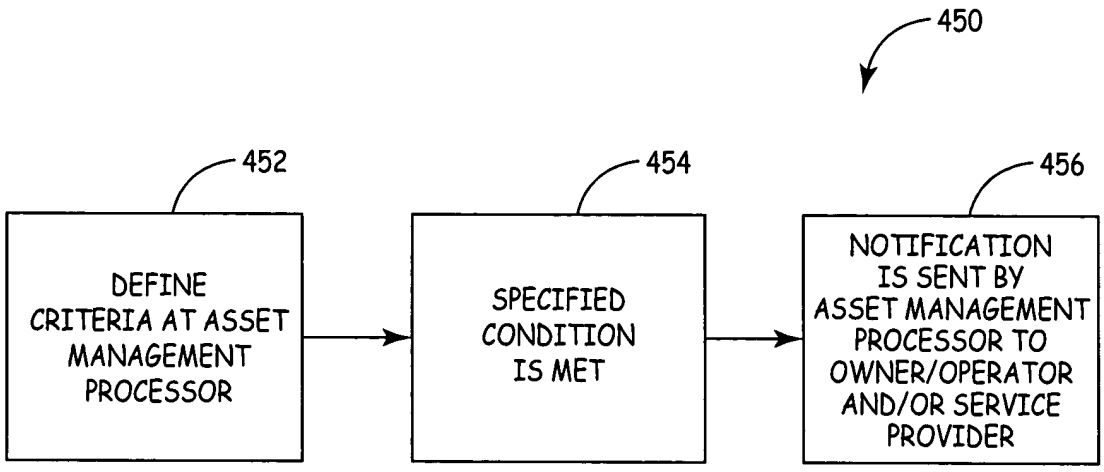

450
452
454
456
DEFINE CRITERIA AT ASSET MANAGEMENT PROCESSOR
SPECIFIED CONDITION IS MET
NOTIFICATION IS SENT BY ASSET MANAGEMENT PROCESSOR TO OWNER/OPERATOR AND/OR SERVICE PROVIDER

FIG. 10